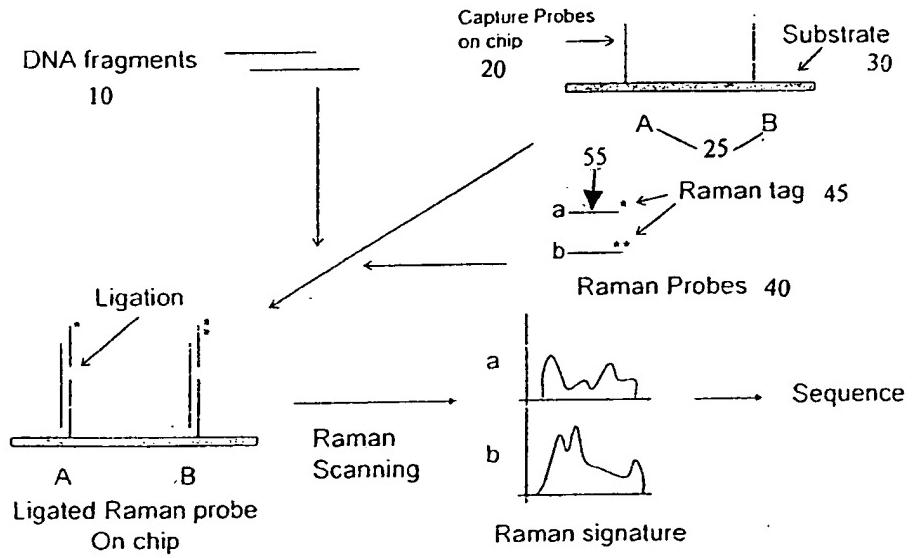
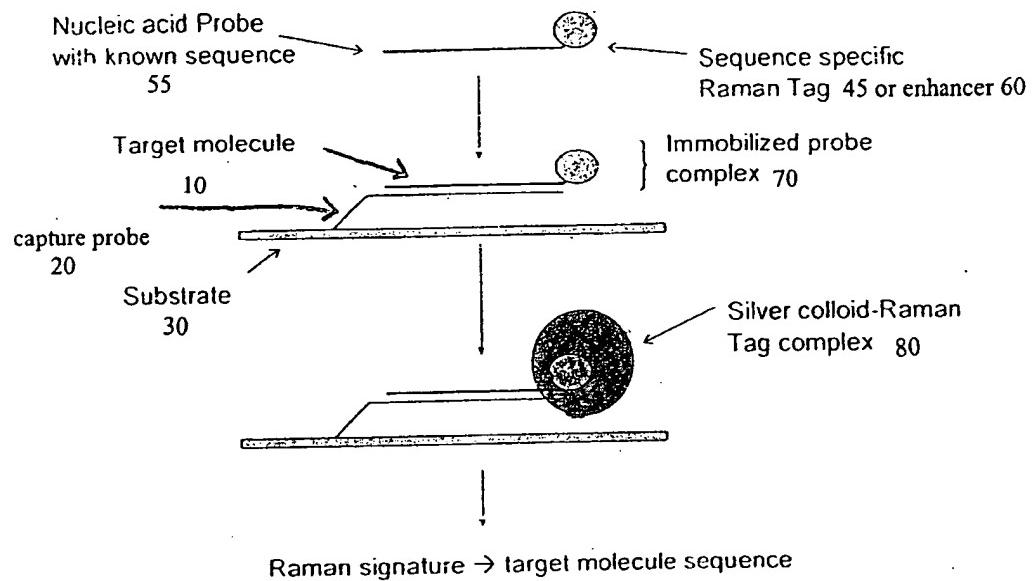


**FIG. 1**



**FIG. 2**  
Raman probe structure and detection



**FIG. 3**  
Chip Design and Sequence Determination

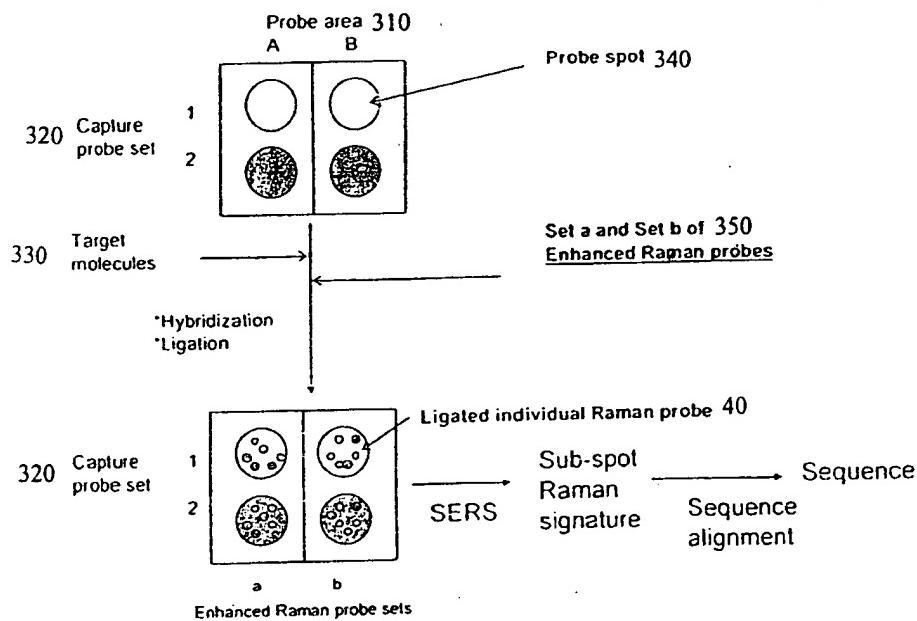
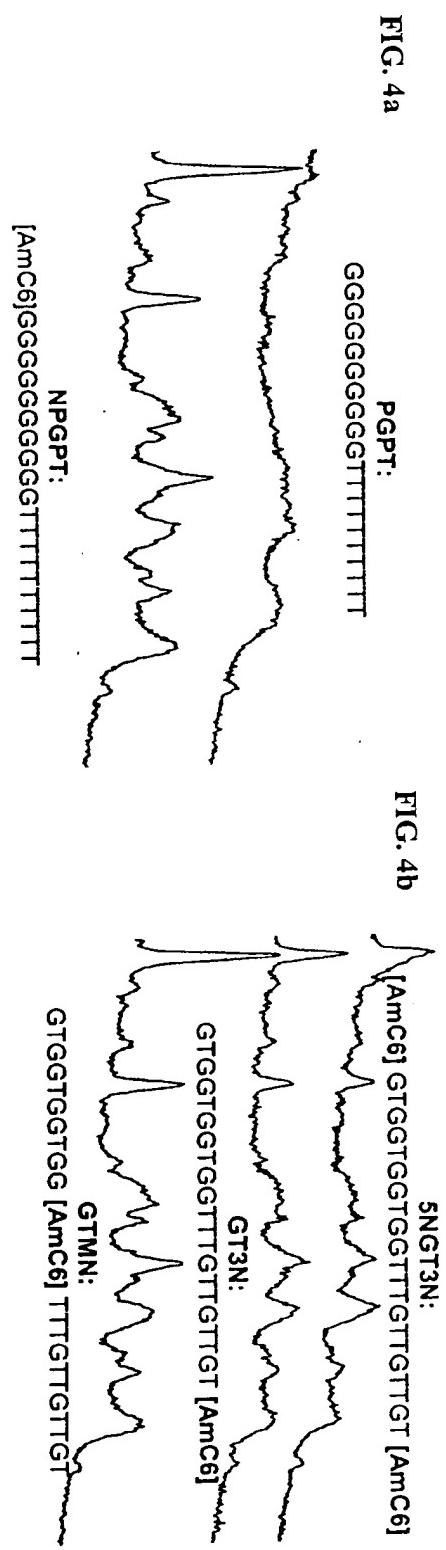


FIG. 4

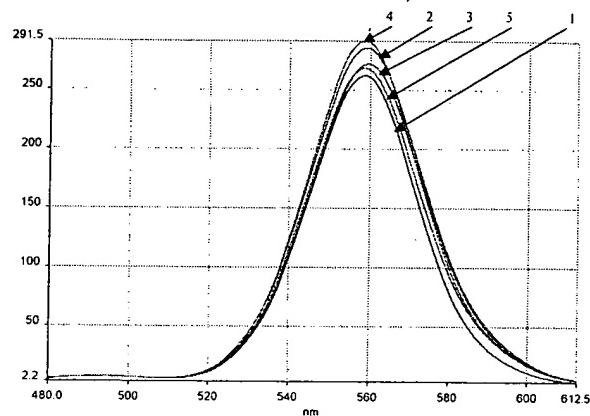


**FIG. 5**

**FIG. 5a**

<p>1                    560                    570</p> <p>RTI            ROX                    TAMRA</p> <p>510            5' GTAGA--CTCGTATGCATGATC 3'</p>	<p>4                    560                    570</p> <p>RTI            ROX                    TAMRA</p> <p>510            5' GTAGA--CTCGTATGCATGATC 3'</p> <p>TG            3' CATCTGGAGCGTACGTACTAG 5'</p> <p>510            5' GTAGA--CTCGTATGCATGATC 3'</p> <p>520            3' CATCTGGAGC TAGTACTAG 5'</p>
<p>2                    560                    TAMRA 570</p> <p>RTI            ROX                    TAMRA</p> <p>510            5' GTAGA--CTCGTATGCATGATC 3'</p> <p>TA            3' CATCTGGAGC TAGTACTAG 5'</p>	<p>5                    560                    TAMRA 570</p> <p>RTI            ROX                    TAMRA</p> <p>510            5' GTAGA--CTCGTATGCATGATC 3'</p> <p>TT            3' CATCTGGAGCTACGTACTAG 5'</p> <p>530            5' GTAGA--CTCGTATGCATGATC 3'</p> <p>TC            3' CATCTGGAGC TAGTACTAG 5'</p>

**FIG. 5b**



**FIG. 6**

